

APPARATUS AND METHOD FOR CONCURRENT CHEMICAL SYNTHESIS**ABSTRACT OF THE DISCLOSURE**

5 This invention provides an apparatus for preparing chemical libraries. The apparatus includes (1) a carousel comprising a plurality of reaction mounts having at least one reaction well; (2) a rotator that rotates the carousel step-wise; (3) a fluid delivery system; (4) a drain system; and (5) a programmable computer that controls the operation of the apparatus, including the rotator, the fluid delivery system, the drain system and other systems in the apparatus. The preparation of chemical libraries involves rotating the carousel through a plurality of stations. At each station, a physical step in a reaction protocol is carried out on the reaction wells of the mount docked at the station.

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